

ABSTRACT

**NOVEL LOW DENSITY LIPOPROTEIN BINDING PROTEINS AND
THEIR USE IN DIAGNOSING AND TREATING ATHEROSCLEROSIS**

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Isolated polynucleotides encoding novel polypeptides which are capable of
binding to native and methylated LDL (low density lipoprotein), the isolated
10 polypeptides, called LBPs (LDL binding proteins), and biologically active fragments and
analogs thereof, are described. Also described are methods for determining if an animal is
at risk for atherosclerosis, methods for evaluating an agent for use in treating
atherosclerosis, methods for treating atherosclerosis, and methods for treating a cell
having an abnormality in structure or metabolism of LBP. Pharmaceutical compositions
15 and vaccine compositions are also provided.

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